BRUHAT BANGALORE MAHANAGARA PALIKE, BYATARAYAPURA ZONE

Executive Engineeer, Project Division, B.B.M.P., Bangalore - 92

MODIFIED SCHEDULE - B

Name of Work: Construction of Seating Gallery at Swami Vivekanananda Park at Yelahanka Newtown in ward No.04

Sl. No.	Description	Unit	App Qty	Approved Rates of	
				Rate in figures	Rate in words
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) with all lead and lift and directions of the Engineer in charge of the work	Cum	176.40	316.00	Rupees Three Hundred Sixteen Only
2	Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 with all lead and lift and directions of the Engineer in charge of the work	Cum	39.38	5746.00	Rupees Five Thousand Seven Hundred Forty Six Only
2a	Qty Above 125%	Cum	11.15	5744.40	Rupees Five Thousand Seven Hundred Forty Four And Paise Forty Only
3	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 with all lead and lift and directions of the Engineer in charge of the work	Cum	70.83	4372.00	Rupees Four Thousand Three Hundred Seventy Two Only
4	Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:6 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 with all lead and lift and directions of the Engineer in charge of the work	Cum	198.38	5661.00	Rupees Five Thousand Six Hundred Sixty One Only
5	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305 with all lead and lift and directions of the Engineer in charge of the work	Cum	183.24	341.00	Rupees Three Hundred Forty One Only

Contractor

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Sl. No.	Description	Unit	App Qty	Approved Rates of	
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6	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 with all lead and lift and directions of the Engineer in charge of the work	Cum	2.70	6575.00	Rupees Six Thousand Five Hundred Seventy Five Only
6a	Qty Above 125%	Cum	18.89	6572.47	Rupees Six Thousand Five Hundred Seventy Two And Paise Forty Seven Only
7	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 with all lead and lift and directions of the Engineer in charge of the work	Sqm	1.44	552.00	Rupees Five Hundred Fifty Two Only
8	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. with all lead and lift and directions of the Engineer in charge of the work	Sqm	0.00	0.00	Rupees Nil
9	Providing two line dressing to granite stone slab /granite stone masonry as per specifications. KBS 5.1.13 26 with all lead and lift and directions of the Engineer in charge of the work	Sqm	248.13	1014.00	Rupees One Thousand Fourteen Only
10	Providing and fixing 20mm thick gang saw water cut sadarhalli grey granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing.minimum width of 1200mm with all lead and lift and directions of the Engineer in charge of the work. **(Part Rate Released)**	Sqm	145.40	2290.00	Rupees Two Thousand Two Hundred Ninety Only
11	Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. with all lead and lift and directions of the Engineer in charge of the work	Sqm	78.60	292.00	Rupees Two Hundred Ninety Two Only
12	Providing and finishing external walls with primer in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. with all lead and lift and directions of the Engineer in charge of the work	Sqm	126.90	94.00	Rupees Ninety Four Only

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13	Benching hard rock 5 to 7.5 cm depth. for seating of foundation, including cost of all labour complete as per specifications. specification. No. KBS 2.1(a) / 2.3.1 with all lead and lift and directions of the Engineer in charge of the work	Cum	1.32	1509.00	Rupees One Thousand Five Hundred Nine Only
14	Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 with all lead and lift and directions of the Engineer in charge of the work	Cum	3.24	5564.00	Rupees Five Thousand Five Hundred Sixty Four Only
14a	Qty Above 125%	Cum	15.01	5561.96	Rupees Five Thousand Five Hundred Sixty One And Paise Ninety Six Only
15	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 with all lead and lift and directions of the Engineer in charge of the work	Cum	20.00	6801.00	Rupees Six Thousand Eight Hundred One Only
16	Providing mild steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 with all lead and lift and directions of the Engineer in charge of the work	Qtl	20.00	7120.00	Rupees Seven Thousand One Hundred Twenty Only
17	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 with all lead and lift and directions of the Engineer in charge of the work	Sqm	97.60	268.00	Rupees Two Hundred Sixty Eight Only

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Sl. No.	Description	Unit	App Qty	Approved Rates of	
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18	Providing and fixing M.S. Gate as per Chief Architect Drawing,using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. with all lead and lift and directions of the Engineer in charge of the work	Sqm	0.00	0.00	Item not operated
19	Fabrication supplying and erecting M.S. tubular trusses of all spans with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification with all lead and lift and directions of the Engineer in charge of the work	Kgs	10543.23	142.00	Rupees One Hundred Forty Two Only
20	Providing and installing of Prepainted Galvolume iron trapezoidal profiled sheet of approved make 1060mm width(1000mm cover width)28-30mm crest hight with crest distance of 200mmc/c with 2ribs at the center for stiffening. the total coated thickness(TCT)of sheet will be .47mm +/-.02mm tolerance Zinc alu-alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade,5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self screws of 25mm length,to be fixed over the existing purlins,rafters,channels and trusses.epainted Galvalum sheet colour sheet of .45mm thk (TRAPEZOIDAL PROFILED SHEET) with all lead and lift and directions of the Engineer in charge of the work	Sqm	310.20	913.00	Rupees Nine Hundred Thirteen Only
21	Providing and installing approved make pre painted Galvalume iron accessories,like,plain,ridges,plain gutter,plain flashing,corner trim,etc. The total coated thickness(TCT) of the sheet shall be 0.47 mm +/-0.02 tolerance mm Zinc -Alu alloy coating AZ 150 gsm as per ASTM 1397/755-550 mpa steel grade, 5-7 microns epoxy primer on both sides of sheel and polyester top coat 20-22 micrns using self drilling/self tapping scews of length 25mm(width upto 500-600 mm only),to be fixed over existing purlins,rafters,chanels ,and trusses. with all lead and lift and directions of the Engineer in charge of the work	Sqm	13.89	877.00	Rupees Eight Hundred Seventy Seven Only

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22	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 with all lead and lift and directions of the Engineer in charge of the work	Cum	0.00	0.00	Item not operated
23	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 with all lead and lift and directions of the Engineer in charge of the work	Sqm	0.00	0.00	Item not operated
24	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer- in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete with all lead and lift and directions of the Engineer in charge of the work	Mtr	0.00	0.00	Item not operated
25	Providing chain link fencing 50mm size of 8 guage properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint with all lead and lift and directions of the Engineer in charge of the work	Sqm	0.00	0.00	Item not operated
26	Providing and fixing M.S. Block pipe of 38mm dia , of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint with all lead and lift and directions of the Engineer in charge of the work	Mtr	0.00	0.00	Item not operated
27	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications. with all lead and lift and directions of the Engineer in charge of the work	Sqm	287.00	33.00	Rupees Thirty Three Only

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28	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications with all lead and lift and directions of the Engineer in charge of the work	Sqm	1016.00	94.00	Rupees Ninety Four Only
29	Providing and applying 2 coats of water based cement paint to unplastered concrete surface after cleaning the surface of dirt, dust, oil, grease efflorescence and applying paint at of 1 litre for 2 sqm complete as per specifications MORTH Specification No. 800 with all lead and lift and directions of the Engineer in charge of the work	Sqm	382.50	73.00	Rupees Seventy Three Only
E-1	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. with all lead and lift and directions of the Engineer in charge of the work	Sqm	248.13	727.38	Rupees Seven Hundred Twenty Seven And Paise Thirty Eight Only
E-2	Providing and laying of Granite slabs of 7.5cms of thickness to Gallery steps and Erecting of stuss and purlins using crane.(crane charges per day)	Days	10.00	4470.40	Rupees Four Thousand Four Hundred Seventy And Paise Forty Only
E-3	Providing 2 legged scaffolding for stone masonry work using 10-15 cms. dia best quality casurina poles of 4m over all length (3m +0.5m projection + 0.5m In to the ground), the distance between two rows being 1.25m and spacing of posts being 2m in both rows with 2 horizontal posts with 0.5 mm overlap on either side and braces at 2 m c to c including longitudinal and transveres middle braces to step up and providing platform with casurina poles, forms tied up using coir rope complete as per specifications. Scaffolding for stone masonry no 4.43 converted to cum	Cum	1071.60	242.52	Rupees Two Hundred Forty Two And Paise Fifty Two Only

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